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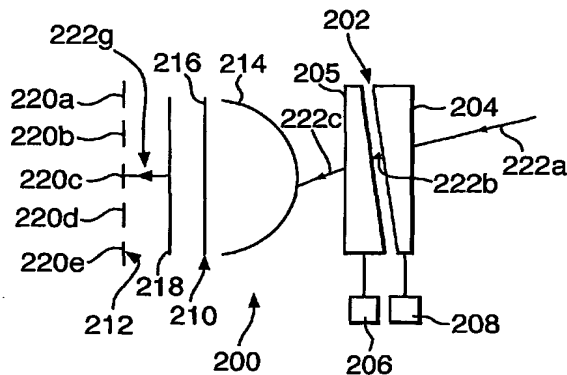
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(54) Title: **MILLIMETER-WAVE IMAGING APPARATUS**



(57) Abstract: A millimetre wave imaging apparatus (200) comprises a scanning mechanism (202), a reflector lens (210) and a receiver array (212). The scanning mechanism (202) comprises two wedge prisms (204, 205) which scan radiation incident upon them across the receiver array (212) in an elliptical pattern. This optical configuration is such that the pupil plane, defined by the scanning mechanism (202), is located optically at the centre of curvature of the focusing surface (214), which reduces coma and astigmatism optical aberrations.

WO 2004/083933 A1